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Application/Control No.

Applicant(s)/Patent under Reexamination

10/662,297

Examiner

UMETANI, AKIHISA Art Unit

Stephen M. Hepperle

3753

| √ | Rejected |
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| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

| А | Appeal   |
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| 0 | Objected |

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| Final        | Original   | 50/9 200 CC C |          |          |              |              |          |  |              |    |
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|              | 2  | v  |          |          |              |              |          |  |              |    |
|              | 3  | V  |          |          |              |              |          |  |              |    |
|              | 4  | V  |          |          |              |              |          |  |              |    |
|              | 5  | 7  |          |          |              |              |          |  |              |    |
|              | 1<br>2<br>3<br>4<br>5<br>6   | ~  |          |          |              |              |          |  |              |    |
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|              | 11   | _  |          |          |              |              |          |  |              |    |
| <u> </u>     | 12   | _  |          |          |              |              |          |  |              |    |
|              | 13   |  | _        |          |              |              |          |  |              |    |
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|              | 15   | $\vdash$                                       | -        | -        | -            |              | _        |  |              | -  |
| <u> </u>     | 17   | $\vdash$                                       | -        | -        |              | Н            |          |  | _            |    |
|              | 18   | ┢  | -        | -        |              | H            |          |  | _            |    |
| <b>-</b>     | 10   | ┢  | -        | -        |              | $\vdash$     | _        | -  |              | —  |
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|              | 21   | -  | -        | $\vdash$ |              |              | 1        |  |              |    |
|              | 22   |  | -        | $\vdash$ | _            | _            |          |  |              |    |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 |  | _        | $\vdash$ |              |              |          |  |              |    |
|              | 24   | Г  |          |          |              | -            |          |  |              |    |
|              | 24<br>25<br>26<br>27<br>28<br>29<br>30   |  |          |          |              |              |          |  |              |    |
|              | 26   | Г  |          |          |              |              |          |  |              |    |
|              | 27   |  |          |          |              |              |          |  |              |    |
|              | 28   |  |          |          |              |              |          |  |              |    |
|              | 29   | L  |          |          |              |              |          |  |              |    |
|              | 30   | <u></u>  |          |          |              |              |          | L.   |              |    |
|              | 31   | <u> </u>                                       |          |          |              |              | <u> </u> | 匚  |              |    |
|              | 32<br>33<br>34   | _  |          |          |              |              | _        |  |              |    |
|              | 33   | ╙  | _        |          | _            |              | _        | L  |              |    |
|              | 34   | _  | _        | <u> </u> | _            |              | _        | _  |              | _  |
|              | 35   | ├  |          | _        |              |              | <u> </u> | $\vdash$   |              | _  |
|              | 36   | <del> </del>                                   |          | -        | <u> </u>     | ┢            | -        | H  | $\vdash$     | _  |
|              | 37<br>38   | ├  | -        |          | ┝            | -            | -        | _  |              | -  |
| <del> </del> | 39   | ┢  | -        | _        |              | _            | -        | -  |              | -  |
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|              | 41   | H  |          |          | <del> </del> | $\vdash$     | ┢        | <del>                                     </del> | $\vdash$     |    |
|              | 42   | H  | H        | $\vdash$ | Ι            | <del> </del> | ┢        | $\vdash$   | <del> </del> | _  |
|              | 43   | T  | İТ       | <u> </u> | $\vdash$     | T            |          | Ι-   | $\vdash$     | Ι- |
|              | 44   |  |          | 1        | $\vdash$     | $\vdash$     |          | Т  | T            | Г  |
|              | 45   | Т  | 1        |          | Г            | Π            |          |  |              | Г  |
|              | 46   |  |          |          |              |              | Γ        | Г  | Г            |    |
|              | 47   |  |          |          |              |              |          |  |              |    |
|              | 48   |  |          |          |              |              |          |  |              |    |
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| <del> </del>                                 | 51       |                | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                | $\dashv$ | $\dashv$   | -            |
|  | 52       | $\dashv$       | -        |          | -        | -        | -              | -        |  |              |
|  | 52<br>53 | $\dashv$       |          |          |          |          |                | _        | _  |              |
|  | 53       | $\dashv$       | $\dashv$ |          |          | _        | -              |          |  | _            |
|  | 54<br>55 |                | _        |          |          | _        |                |          |  |              |
|  | _55_     |                |          |          |          |          |                |          |  |              |
|  | 56       | _              |          |          |          |          |                |          |  |              |
|  | 57       |                |          |          |          |          |                |          |  |              |
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|  | 59       |                |          |          |          |          |                |          |  |              |
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|  | 61       |                |          |          |          |          |                |          |  |              |
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| -  | 65       |                | $\dashv$ | -        | $\vdash$ |          |                |          |  | _            |
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|  | 67       |                |          |          |          |          |                | _        |  |              |
| ļ  | 68       |                |          |          |          |          |                |          |  |              |
|  | 69       |                |          |          |          |          |                |          |  |              |
|  | 70       |                |          |          |          |          |                |          |  |              |
| L  | 71<br>72 |                |          |          |          |          |                |          |  |              |
|  | 72       |                |          |          |          |          |                |          |  |              |
|  | 73       |                |          |          |          |          |                |          |  |              |
|  | 74       |                |          |          |          |          |                |          |  |              |
|  | 74<br>75 |                |          |          |          |          |                | _        |  |              |
|  | 76       |                | _        |          |          |          |                |          |  |              |
|  | 76<br>77 | -              |          |          |          |          |                |          |  | ┢═           |
|  | 78       | -              |          | $\vdash$ |          | _        |                |          |  | ┢─           |
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| <b> </b>                                     | 80       | $\vdash\vdash$ | Н        | $\vdash$ | $\vdash$ | -        |                | _        |  | $\vdash$     |
| L  | 81       | Ш              | Ш        | $\vdash$ | Ь.       | _        | ļ              |          |  | $\vdash$     |
|  | 82<br>83 |                | Ш        |          | <u> </u> | _        | _              | <u> </u> |  | <u> </u>     |
|  | 83       | Ш              | L.,      | <u> </u> | L_       | $\sqcup$ | L              | L        |  | _            |
|  | 84<br>85 |                |          |          |          |          | _              |          |  | $oxed{oxed}$ |
|  | 85       |                |          |          |          |          |                |          |  |              |
|  | 86       |                |          |          |          |          |                |          |  | L            |
|  | 87       |                |          |          |          |          |                |          |  |              |
|  | 88       |                |          |          |          |          |                |          |  |              |
|  | 89       |                |          |          |          |          |                |          |  |              |
|  | 90       |                |          |          |          |          |                |          |  |              |
|  | 91       |                |          |          |          |          |                |          |  |              |
| <del>-</del>                                 | 92       | _              | П        | $\vdash$ | Г        | <u> </u> |                | Ι        | <del>                                     </del> | $\vdash$     |
| -  | 93       |                | $\vdash$ |          | $\vdash$ | $\vdash$ | <del> </del>   | -        | -  | -            |
| -  | 94       | -              | ┝┈       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$       |          | -  | $\vdash$     |
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| <u> </u>                                     | 95       | $\vdash$       | $\vdash$ | -        | <u> </u> | ├        | ├-             | <u> </u> |  | ┝            |
| <u> </u>                                     | 96       | H              | <u> </u> |          | <u> </u> | <u> </u> | <del> </del> — | ⊢        | ├  | ├-           |
|  | 97       | $\vdash$       | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <del> </del>   | <u> </u> | <u> </u>   | <u> </u>     |
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| Final | Original                        |              |          |  |              |  |          |  |             |          |
|       | 101                             |              | $\neg$   |  |              |  |          |  |             |          |
|       | 102                             |              |          |  |              |  |          |  |             |          |
|       | 103                             |              |          |  |              |  |          |  |             |          |
|       | 104<br>105                      |              |          |  |              |  |          |  |             |          |
|       | 105                             |              |          |  |              |  |          |  |             |          |
|       | 106<br>107                      |              |          |  |              |  |          |  |             |          |
|       | 107                             | Ш            |          |  |              |  |          |  |             |          |
|       | 108                             |              |          |  |              |  |          |  |             | $\dashv$ |
|       | 109                             |              |          |  |              |  |          | _  |             |          |
|       | 110                             | -            | -        |  |              |  |          |  |             |          |
|       | 111<br>112<br>113<br>114<br>115 | -            | H        |  | H            | H  |          | H  |             | Н        |
|       | 113                             |              | Н        |  | H            |  |          | -  | _           | $\vdash$ |
|       | 114                             | Н            | $\vdash$ |  |              |  | $\vdash$ | -  | $\vdash$    | Н        |
|       | 115                             | Н            |          |  | Н            | _  | Т        |  |             | H        |
|       | 116                             |              |          | _  | Г            |  | _        |  |             | П        |
|       | 117                             |              |          |  |              |  |          |  |             |          |
|       | 118                             |              |          |  |              |  |          |  |             |          |
|       | 119                             |              | Γ        |  |              |  |          |  |             |          |
|       | 120                             |              |          |  |              |  |          |  |             |          |
|       | 121                             |              |          |  | <u> </u>     |  |          |  | L_          |          |
|       | 122                             |              |          |  | _            |  | _        |  |             |          |
|       | 122<br>123<br>124               | L.           | _        |  |              |  | <u> </u> |  |             | -        |
|       | 124                             | H            |          | <u> </u>   | <del> </del> | -  | <u> </u> | l-   | _           |          |
|       | 125                             |              |          | -  | -            | -  | _        | $\vdash$   |             | $\vdash$ |
|       | 125<br>126<br>127               |              |          | -  | -            | -  | -        |  | <u> </u>    | $\vdash$ |
|       | 128                             |              |          | $\vdash$   | -            |  | ┢        | <del> </del>                                     |             |          |
|       | 128<br>129                      |              |          | $\vdash$   | ├─           | -  | ┢        | <del> </del>                                     | <del></del> | $\vdash$ |
|       | 130                             |              |          | $\vdash$   | $\vdash$     | ┢  | -        |  |             | Н        |
|       | 131                             |              |          | <del>                                     </del> |              |  |          |  |             | H        |
|       | 132                             |              |          |  |              |  |          |  |             |          |
|       | 133<br>134                      | L            |          |  |              |  |          |  |             |          |
|       | 134                             |              |          |  |              |  |          | 匚  |             |          |
|       | 135                             | <u> </u>     | _        | L  | L            | L  | <u> </u> |  | _           | Щ        |
|       | 136<br>137                      |              |          | _  |              |  |          |  | <u> </u>    | Щ        |
|       | 137                             |              | _        | <u> </u>   |              |  |          |  | <u> </u>    | Ш        |
|       | 138                             | -            | <u> </u> |  | <u> </u>     |  |          |  |             | Н        |
|       | 139<br>140                      |              | -        | <u> </u>   | _            |  |          |  | <u> </u>    | Н        |
|       | 141                             | ├            | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$ | ⊢  | ⊢           | Н        |
|       | 142                             | $\vdash$     | H        | $\vdash$   | $\vdash$     | $\vdash$   | ┢        | -  | $\vdash$    | Н        |
|       | 143                             |              | H        | H  | -            | -  | 一        | <del>                                     </del> | ┢           | $\vdash$ |
|       | 144                             | <del> </del> |          | -  | Т            | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$    | Н        |
|       | 145                             | $\Box$       | Г        | <del>                                     </del> | Т            | <del>                                     </del> | T        | T  | T           | Н        |
|       | 146                             |              |          | Г  | Г            | T  |          |  |             | П        |
|       | 147                             |              |          |  |              |  |          |  |             |          |
|       | 148                             |              |          |  |              |  |          |  |             |          |
|       | 149                             |              |          |  |              |  |          |  |             |          |
|       | 150                             |              |          |  |              |  |          |  |             |          |